

Yorkshire Dales National Park

Forecast valid from 06:00 on Sunday 14 May 2023 until 23:59 on Monday 15 May 2023

Forecast Issued on Sunday 14 May 2023 at 03:49

Confidence: High for largely settled conditions during the outlook period. Lower for detail of low cloud extent and for the timing of rain and showers later Sunday and on Monday.

Headline for Sunday 14 May 2023: Low cloud clearing to sunny spells, but cloud building from the northwest during the morning with rain arriving mid-afternoon.

Mountain weather hazards on Sunday 14 May 2023

Blizzards

No Likelihood

Heavy persistent snow

No Likelihood

Storm force winds

No Likelihood

Gales

No Likelihood

Severe chill effect

Low Likelihood

Poor visibility

Medium Likelihood

Thunderstorms

No Likelihood

Heavy persistent rain

No Likelihood

Strong sunlight

Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Cloudy	Cloudy	Light rain	Light rain	Cloudy
Precipitation probability					
10%	10%	20%	80%	50%	10%

Forecast for Sunday 14 May 2023

Weather: A dull start, particularly across the eastern Dales. Clearer skies in the west with isolated patches of mist and fog. Cloud and mist patches will soon clear to bright or sunny spells during the morning, but cloud will then build from the west by the afternoon, turning sunshine increasingly hazy. Cloud thickening and lowering in the afternoon to bring outbreaks of mainly light rain. Rain clearing through the evening with a few showers following.

Chance of cloud-free hill tops above 600m: 10% in the east and 60% in the west initially. Soon improving to above 90%. Lowering from the northwest to 30% through the afternoon, but improving again during the evening

Low Cloud and visibility: Widespread low cloud initially with bases around 200-300m and down to very low levels across eastern slopes. Cloud will soon lift above summits and clear. Cloud bases are expected to lower in the afternoon as rain arrives, with bases of 400-500m for western Dales. Visibility poor or very poor beneath cloud in early mist or fog patches, otherwise generally very good, but deteriorating to moderate or poor in rain in afternoon.

Forecast for Sunday 14 May 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/16 SW	12/15 SW	12/16 W	14/20 W	13/17 W	12/20 NW	10/19 NW
300	0/10 SW	7/12 SW	9/16 W	10/18 W	9/17 W	9/20 NW	9/21 NW
Valley	2/7 W	4/8 SW	6/12 SW	8/15 W	6/14 NW	7/19 NW	7/19 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	9/7	9/7	10/8	9/6	8/5	6/3	4/-0
300	7/6	12/11	12/11	11/9	10/8	8/6	5/2
Valley	9/9	13/12	13/12	12/11	11/10	9/8	6/4
Freezing Level*	1900m	2000m	1900m	2000m	2000m	1400m	1000m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Extensive low cloud will make for challenging navigation at first and at times in rain from mid-afternoon. Slight chance of wind chill at height overnight.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Sun 14 May 2023	0mm	0mm	9.6mm

Forecast for Monday 15 May 2023

Weather: Clear spells overnight and mainly dry, then a fine and bright start to the day. Fair weather cloud gradually building with well-scattered showers developing by the afternoon. There is a slight chance that some showers may turn heavy or thundery. Showers fading through the evening with variable cloud amounts overnight. Feeling cool, especially at height, in the fresh northwesterly breeze.

Maximum wind: North to northwest 15-20mph gusting 25-3mph but gradually easing.

Chance of cloud-free hill tops above 600m: 80% or more throughout.

Low Cloud and visibility: Chance of cloud bases around 500m towards the southeast of the Park as the rain band clears in the early hours. Developing cloud may briefly shroud the highest summits late morning before lifting clear. Cloud bases may lower to around 600m in the vicinity of any heavy showers that may develop. Visibility generally very good, but moderate to poor in any showers or heavy showers.

Temperature: **Valleys:** Plus 5 Celsius becoming Plus 14 Celsius.

At 600m: Plus 2 Celsius rising to Plus 8 Celsius.

Freezing level: Above the summits.